

FIG. 1A

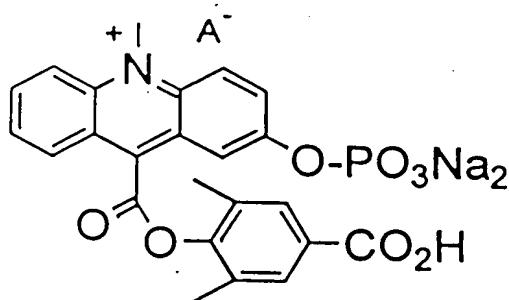


FIG. 1B

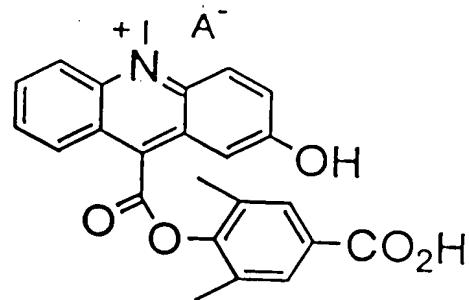


FIG. 1C

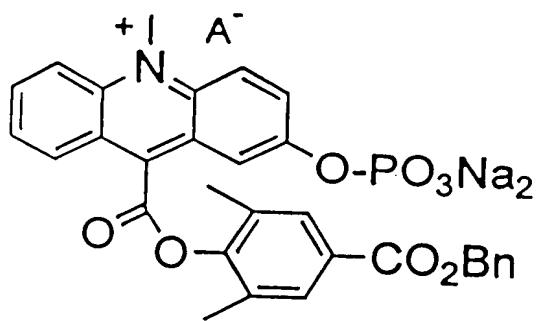


FIG. 1D

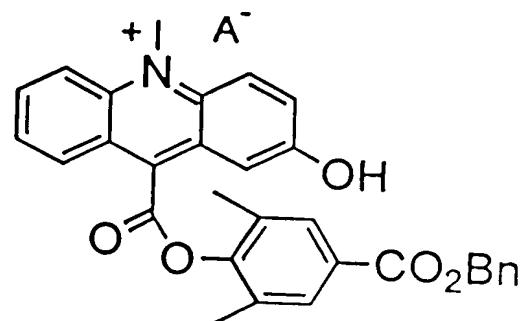


FIG. 1E

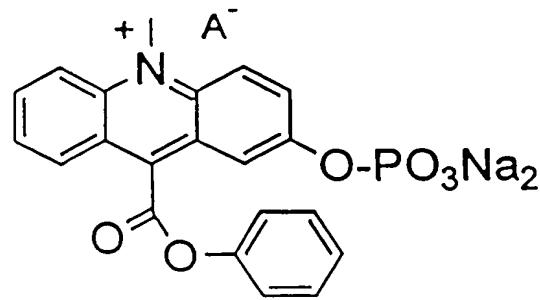
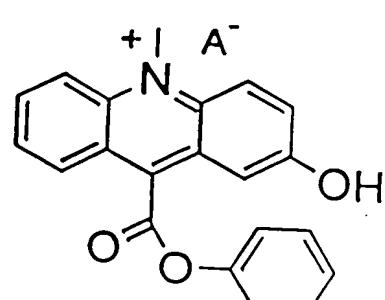
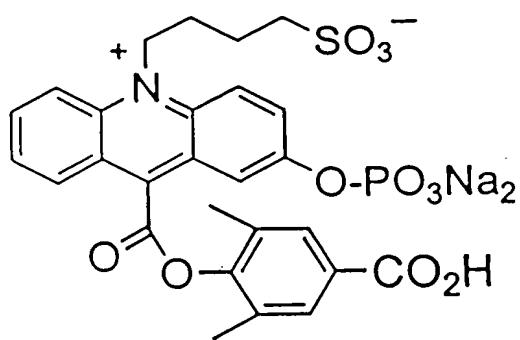
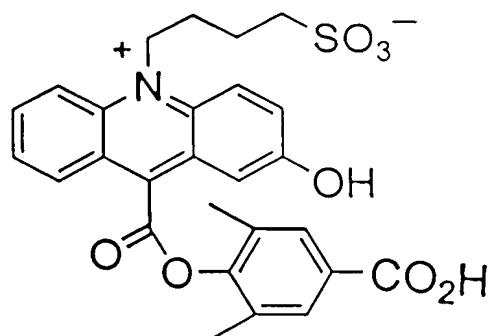
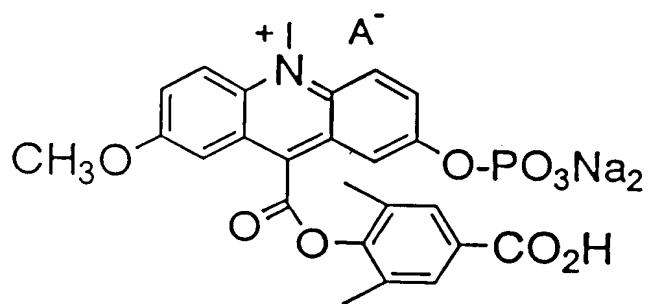
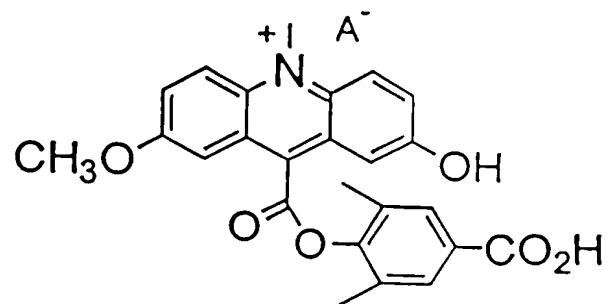
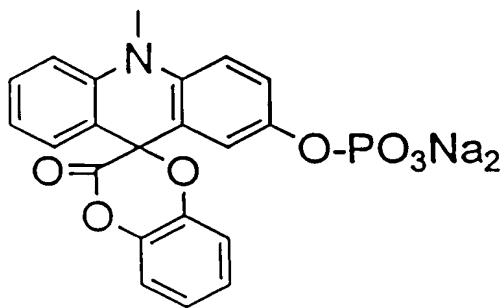
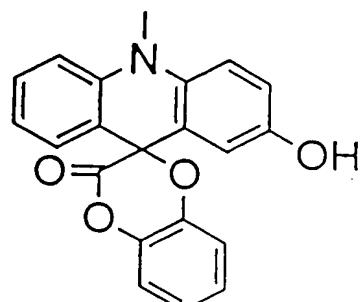


FIG. 1F



09626565-072700

FIG. 1G**FIG. 1H****FIG. 1I****FIG. 1J****FIG. 1K****FIG. 1L**

09626666 - 07227000

FIG. 1M

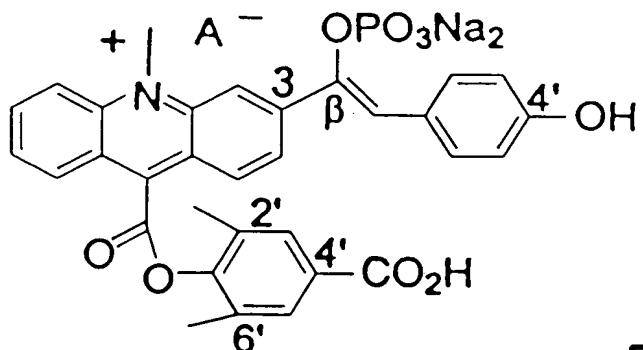


FIG. 1N

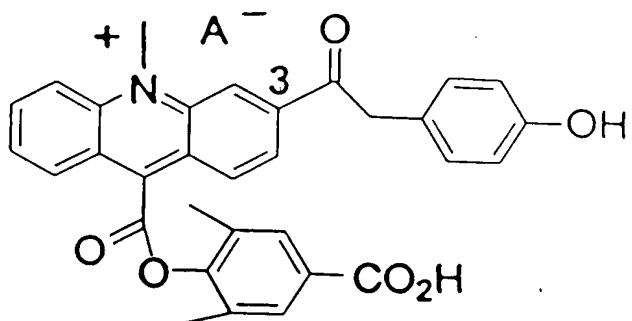


FIG. 1O

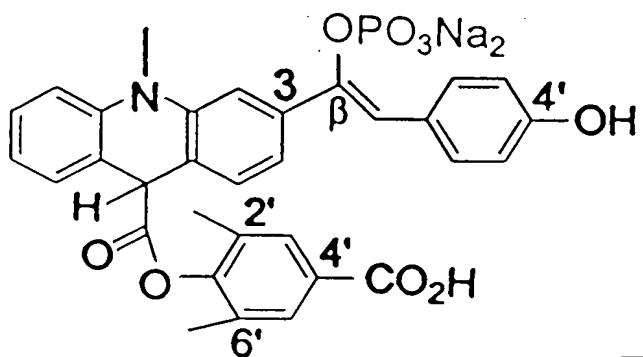
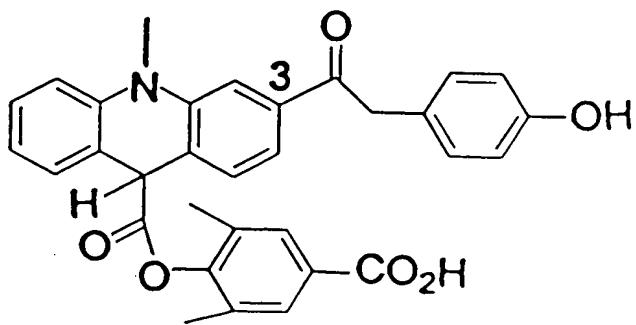


FIG. 1P



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FIG. 1Q

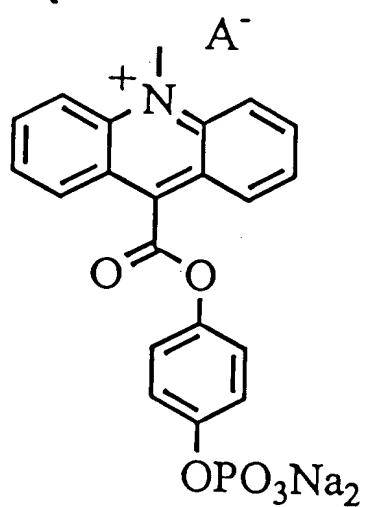
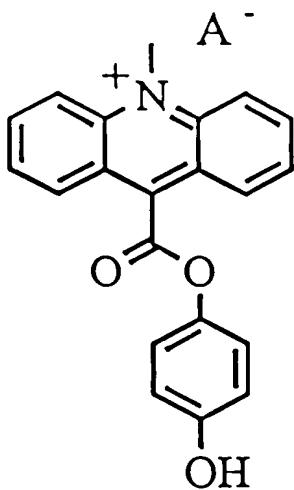


FIG. 1R



09626566 - 0322700

00 220 99992960

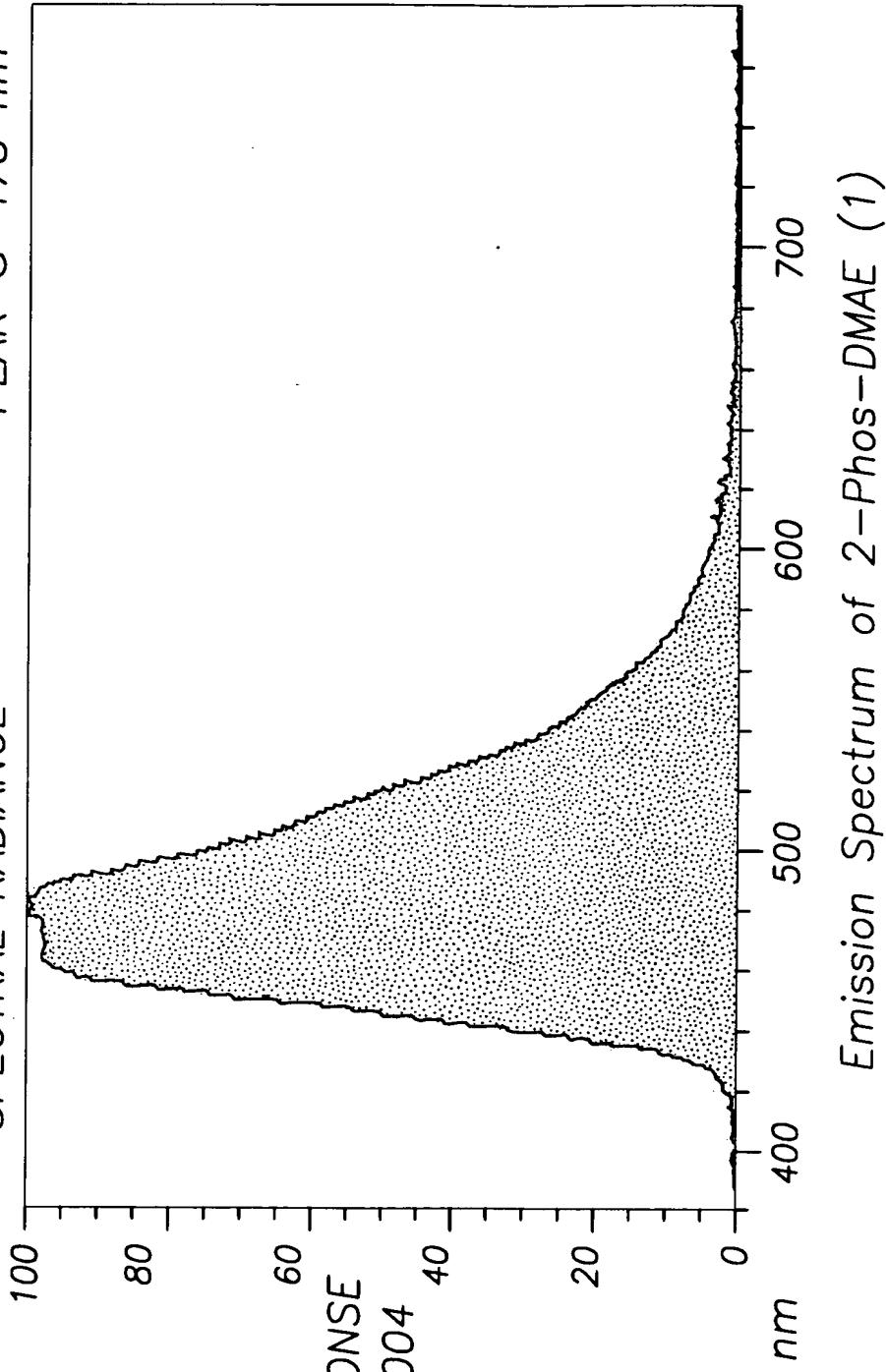
FIG.2A

SPECTRAL RADIANCE

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RELATIVE RESPONSE
 $100\% = 4.256e-004$

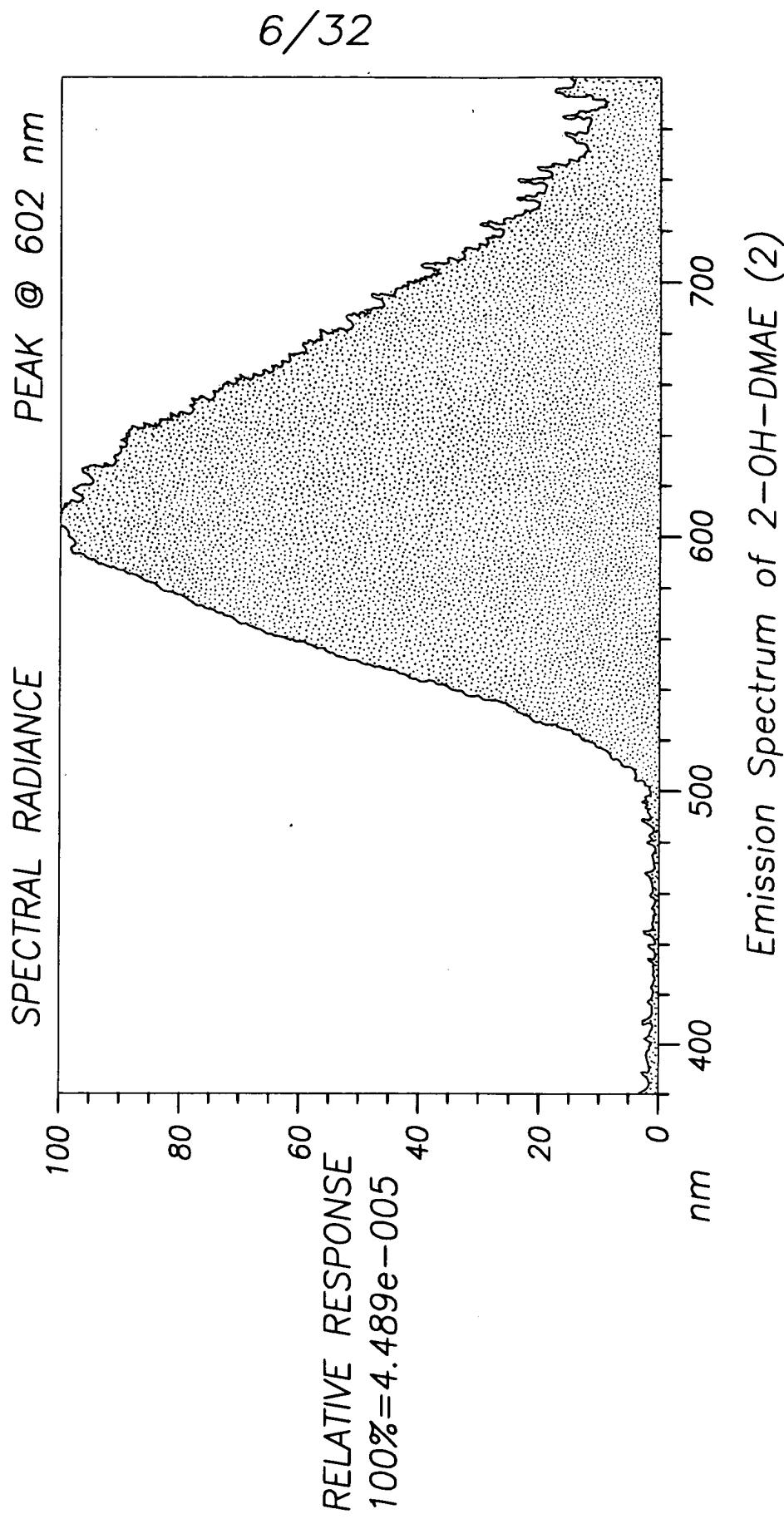
PEAK @ 478 nm



Emission Spectrum of 2-Phos-DMAE (1)

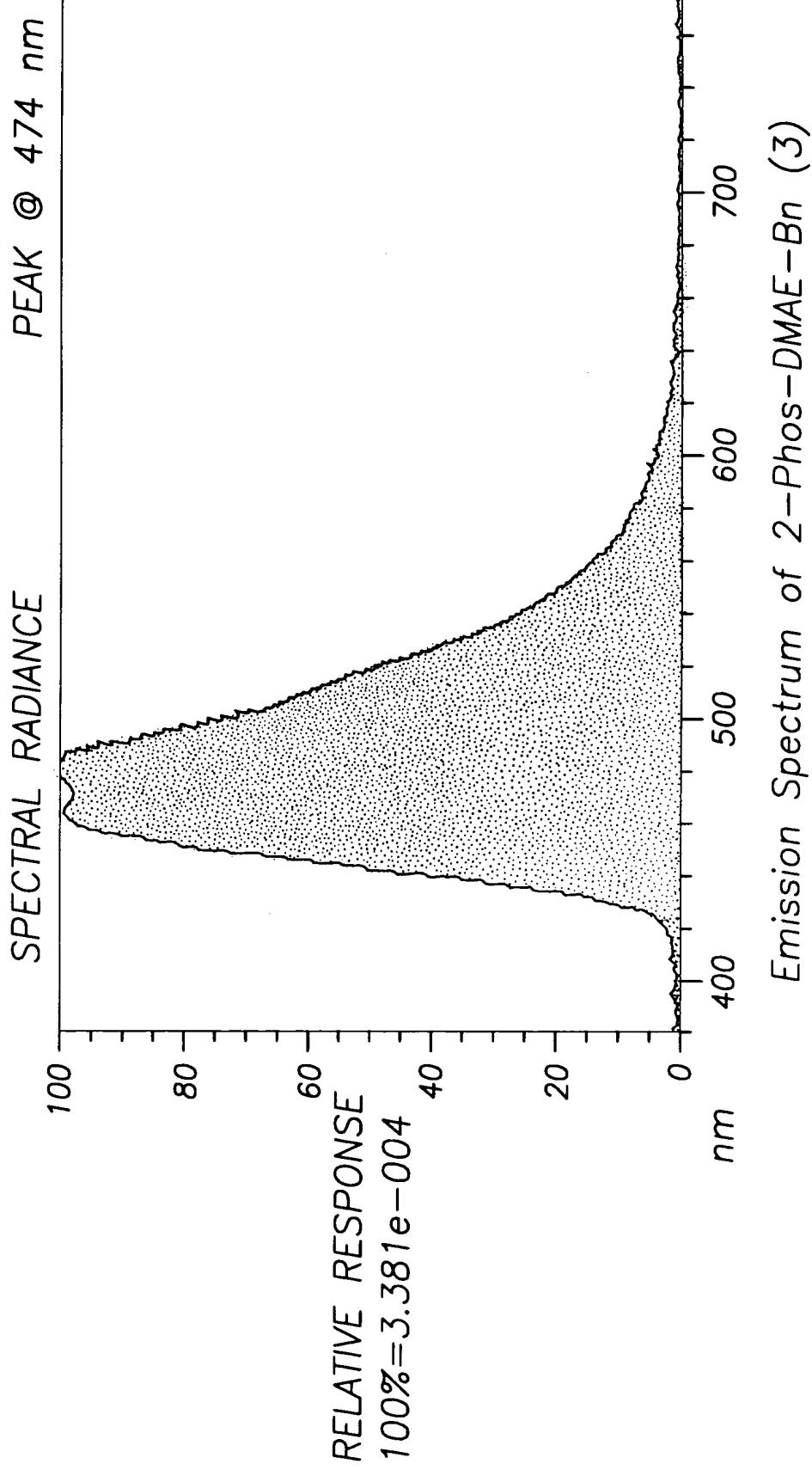
00220" 99592960

FIG.2B



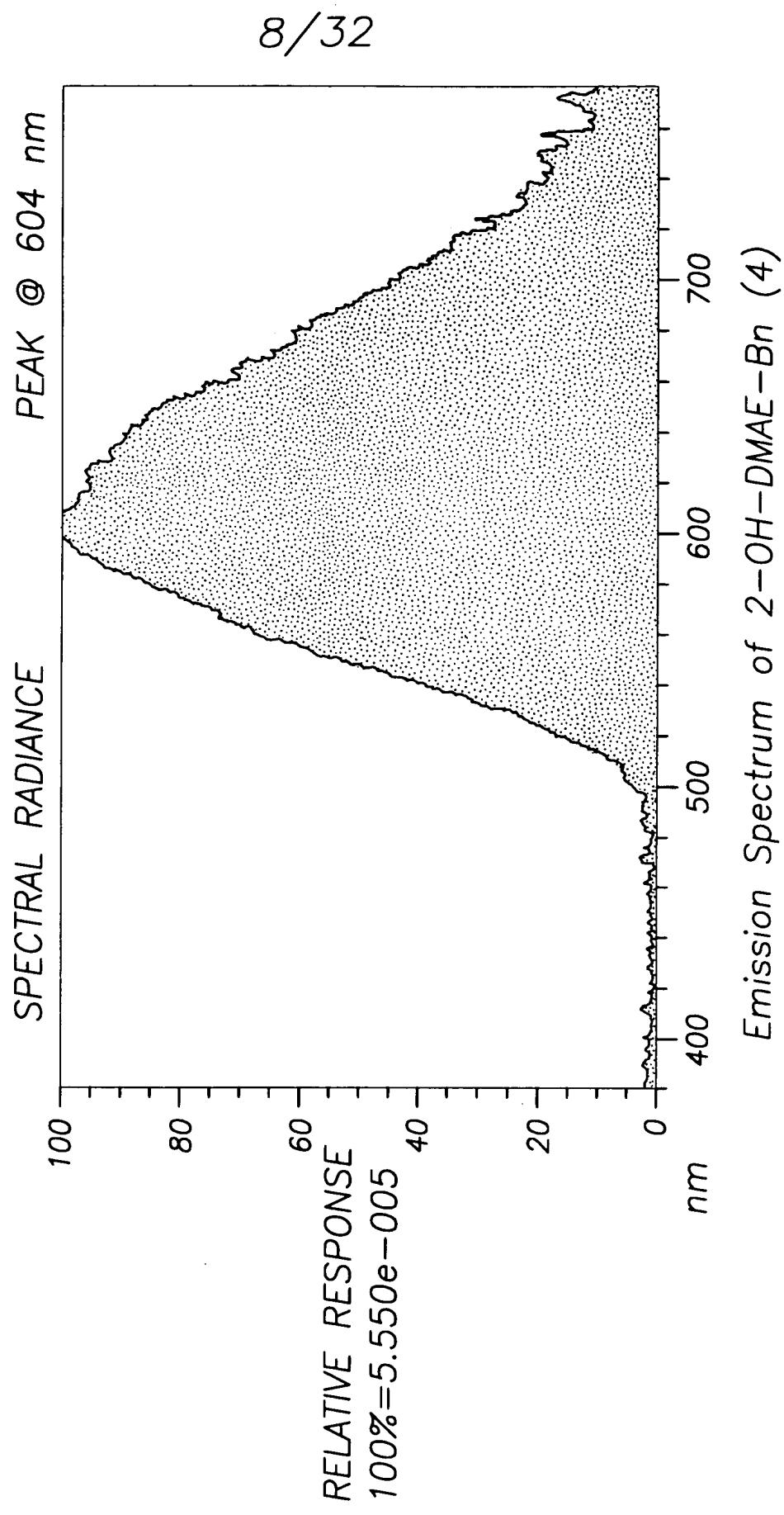
00 220 " 959290

FIG.2C



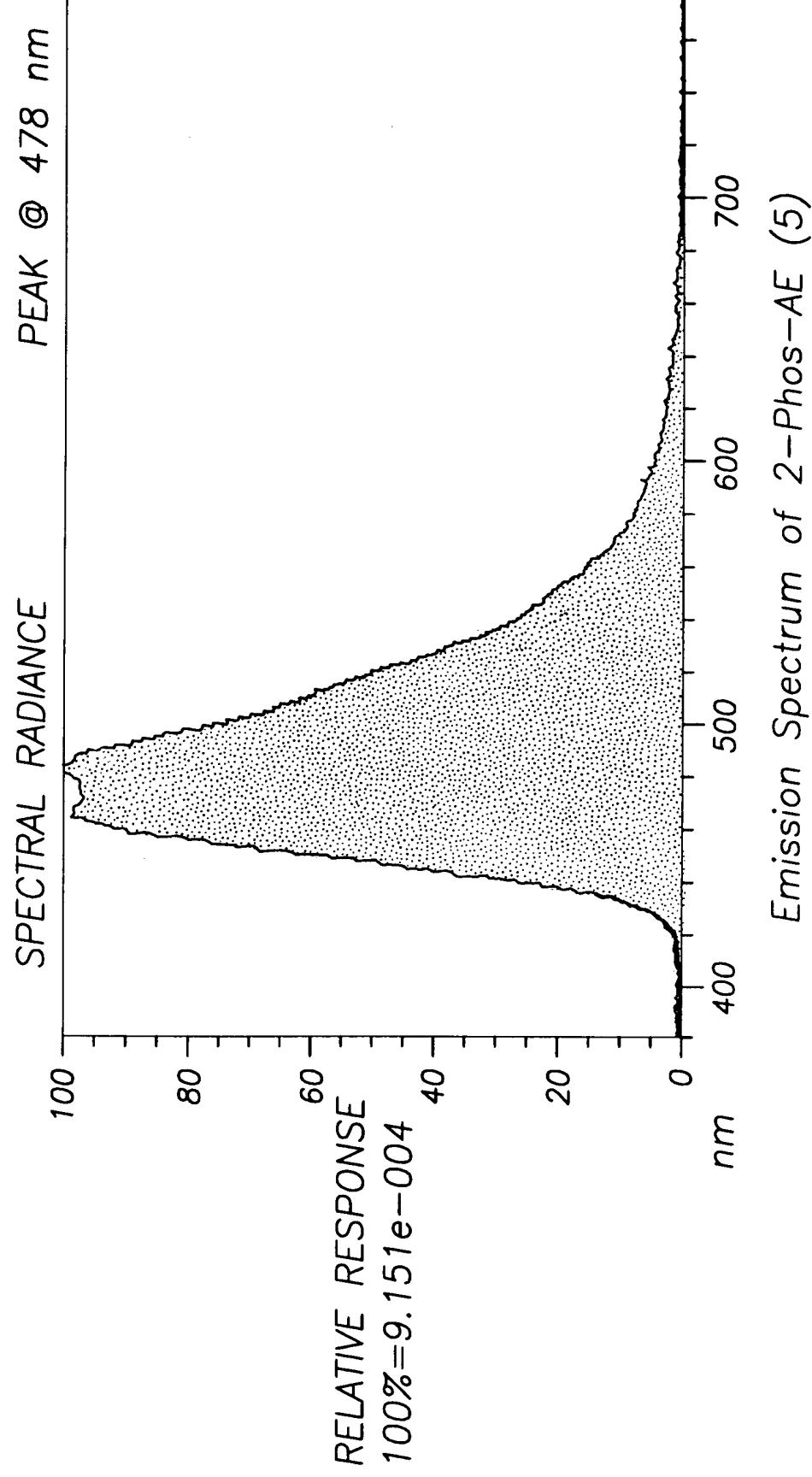
00220° 99592960

FIG.2D



00220*99592960

FIG.2E



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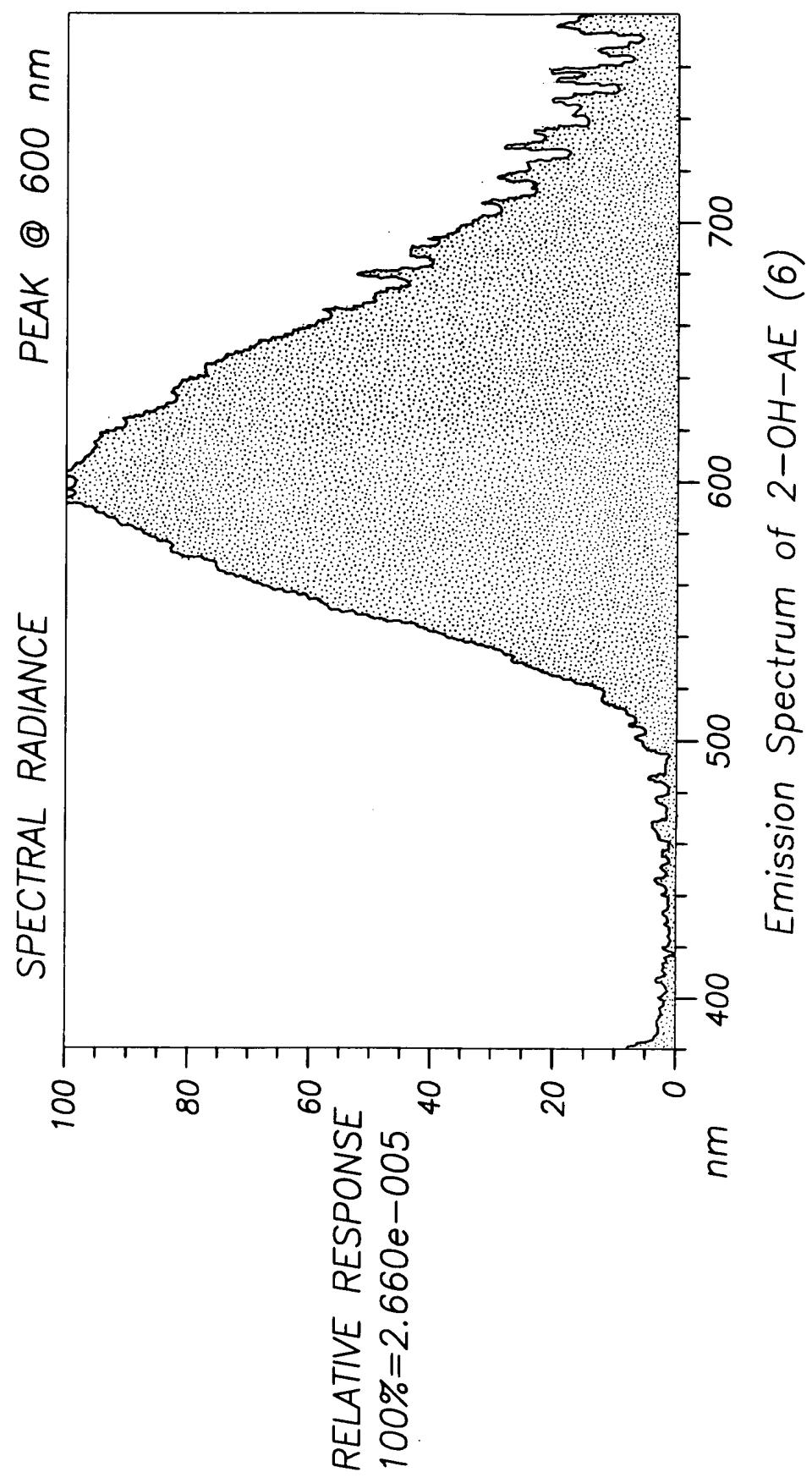
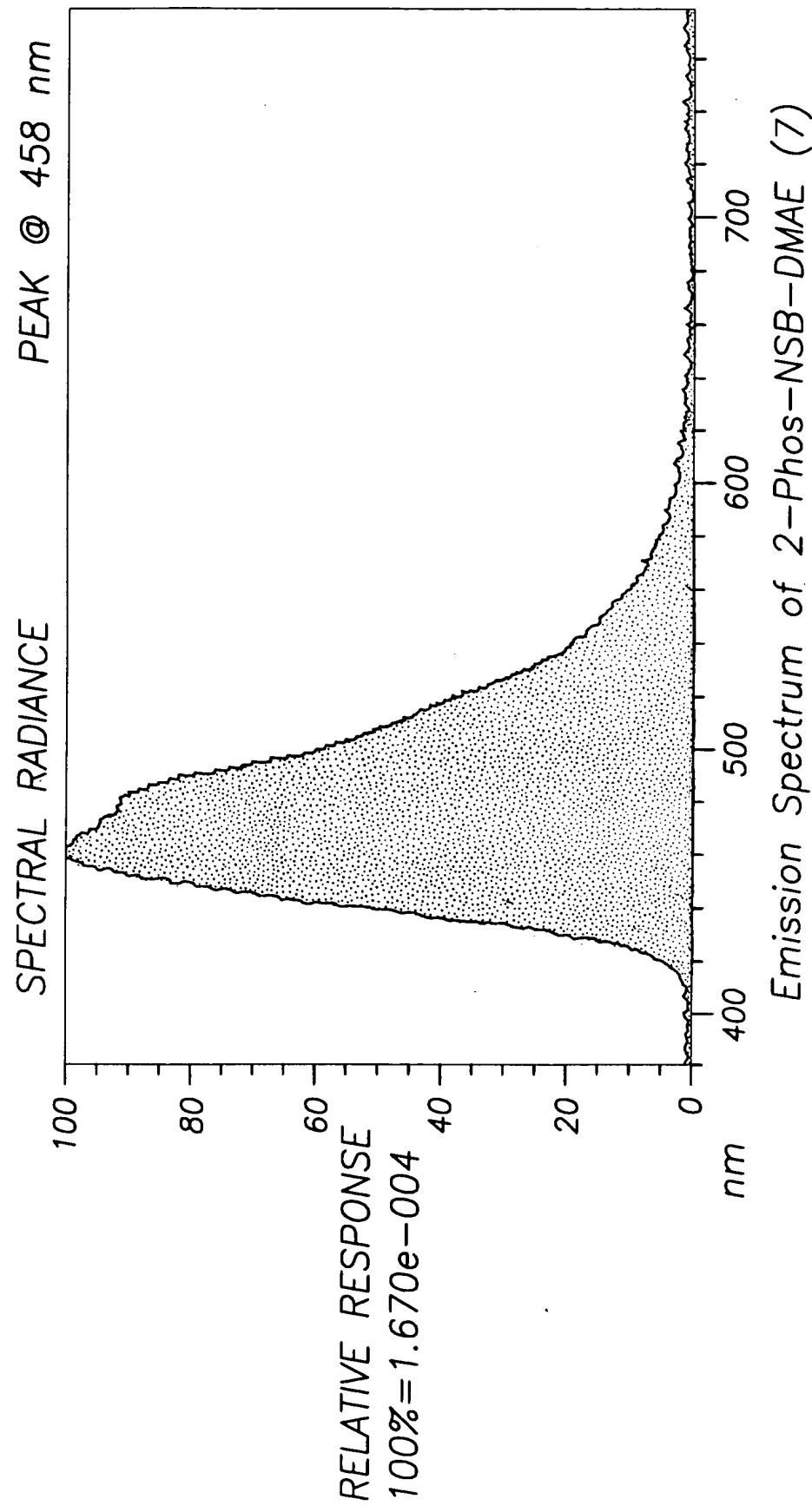


FIG.2F

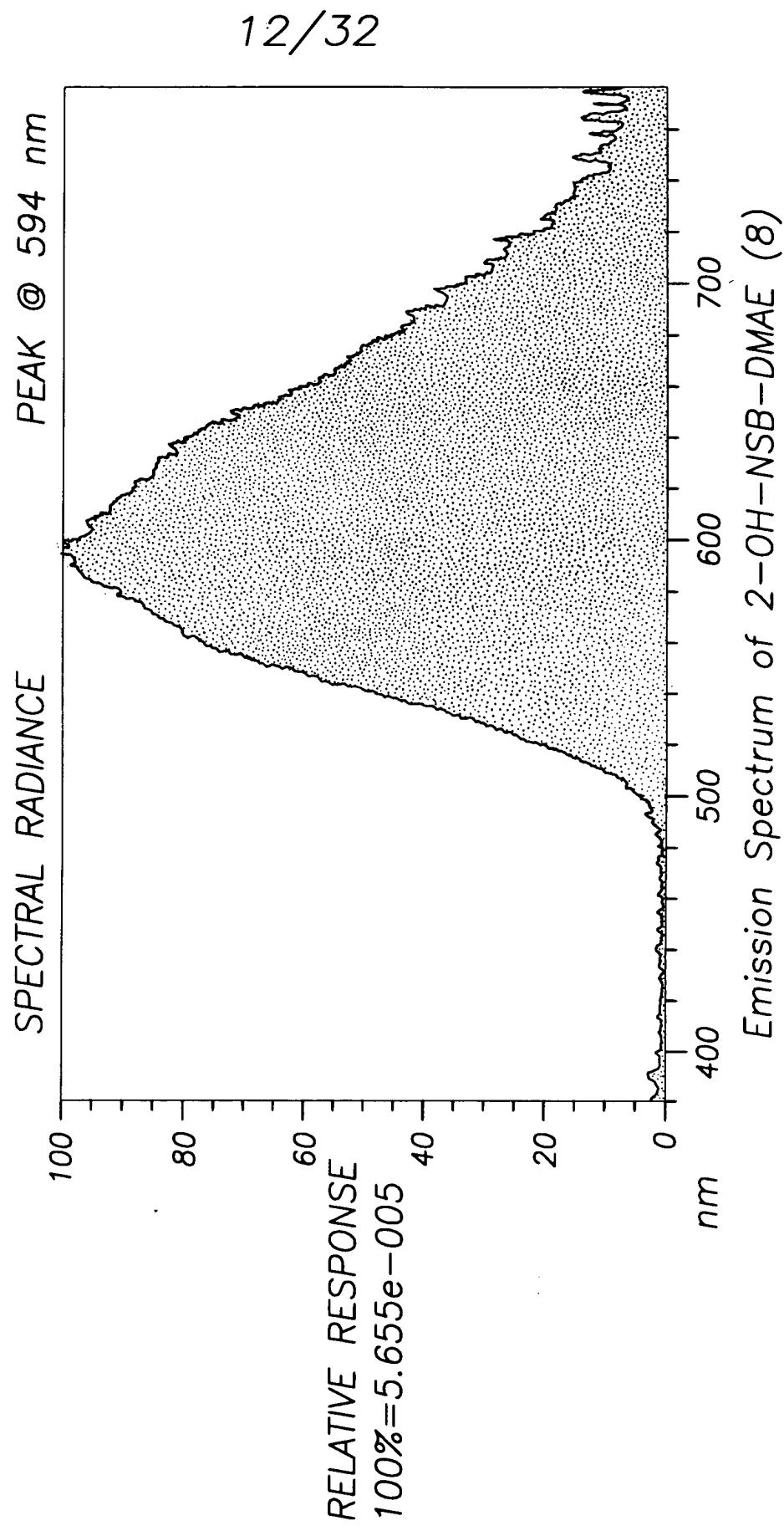
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FIG.2G



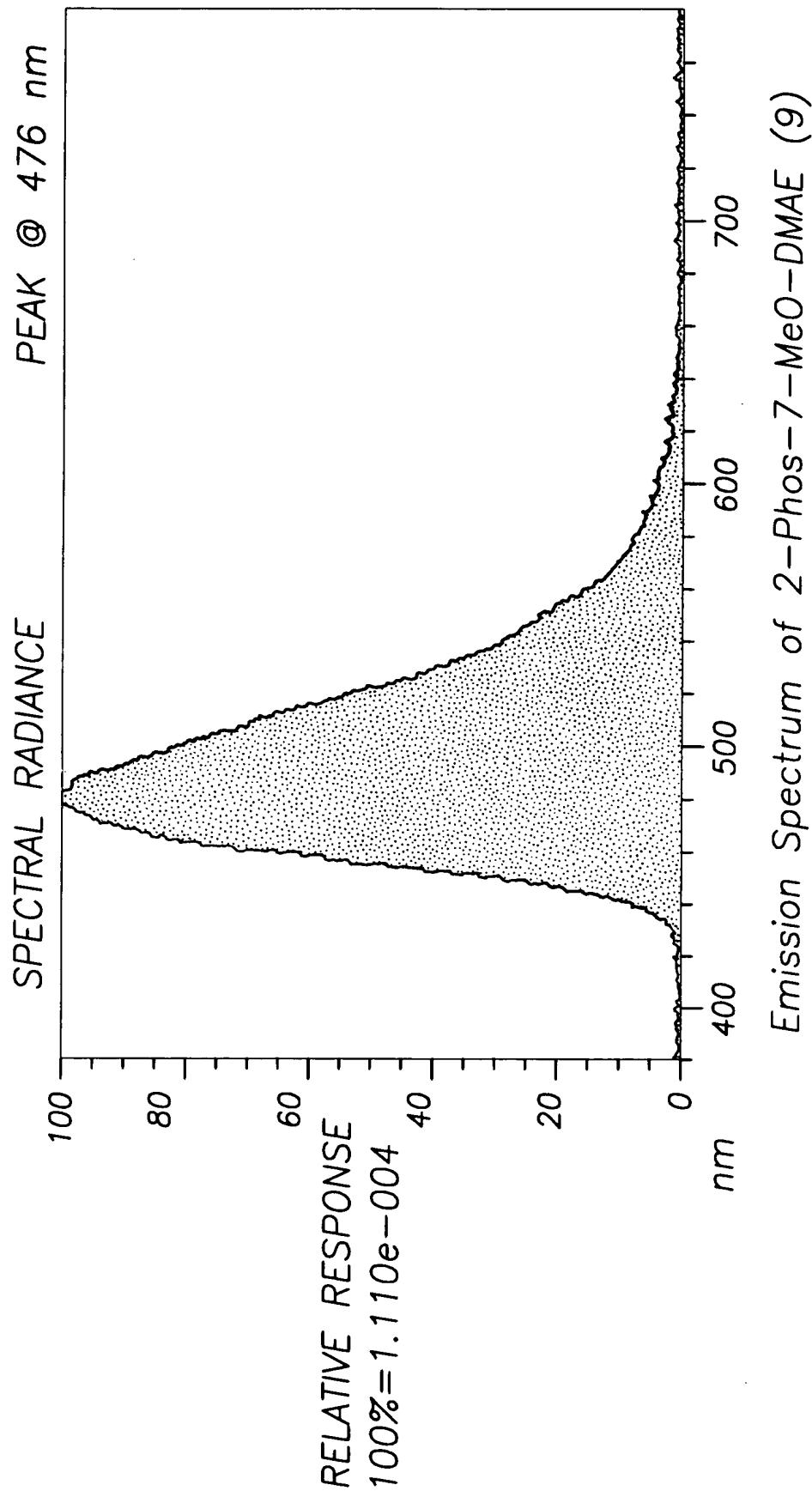
00220099592960

FIG.2H



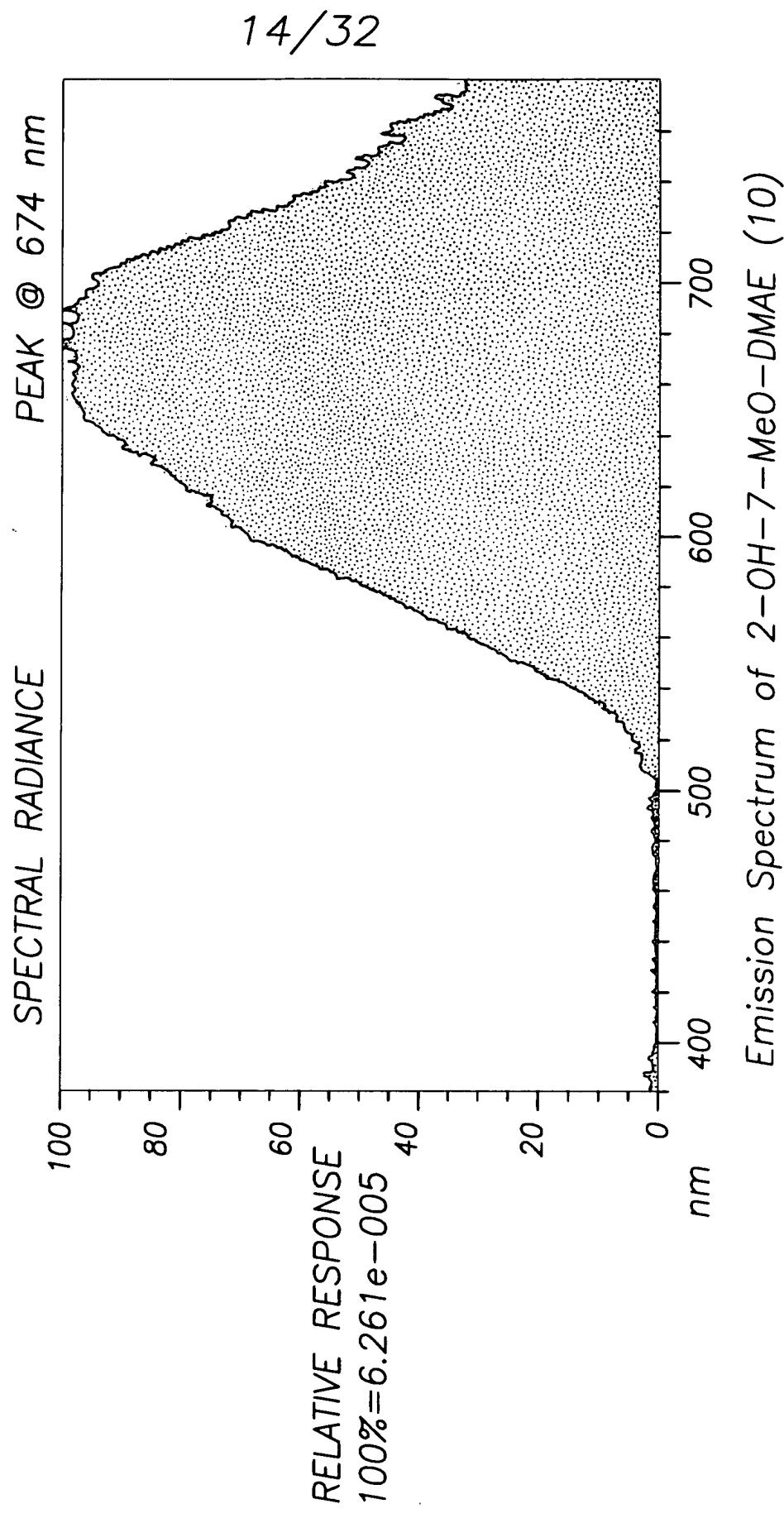
00220 "99592960

FIG.21



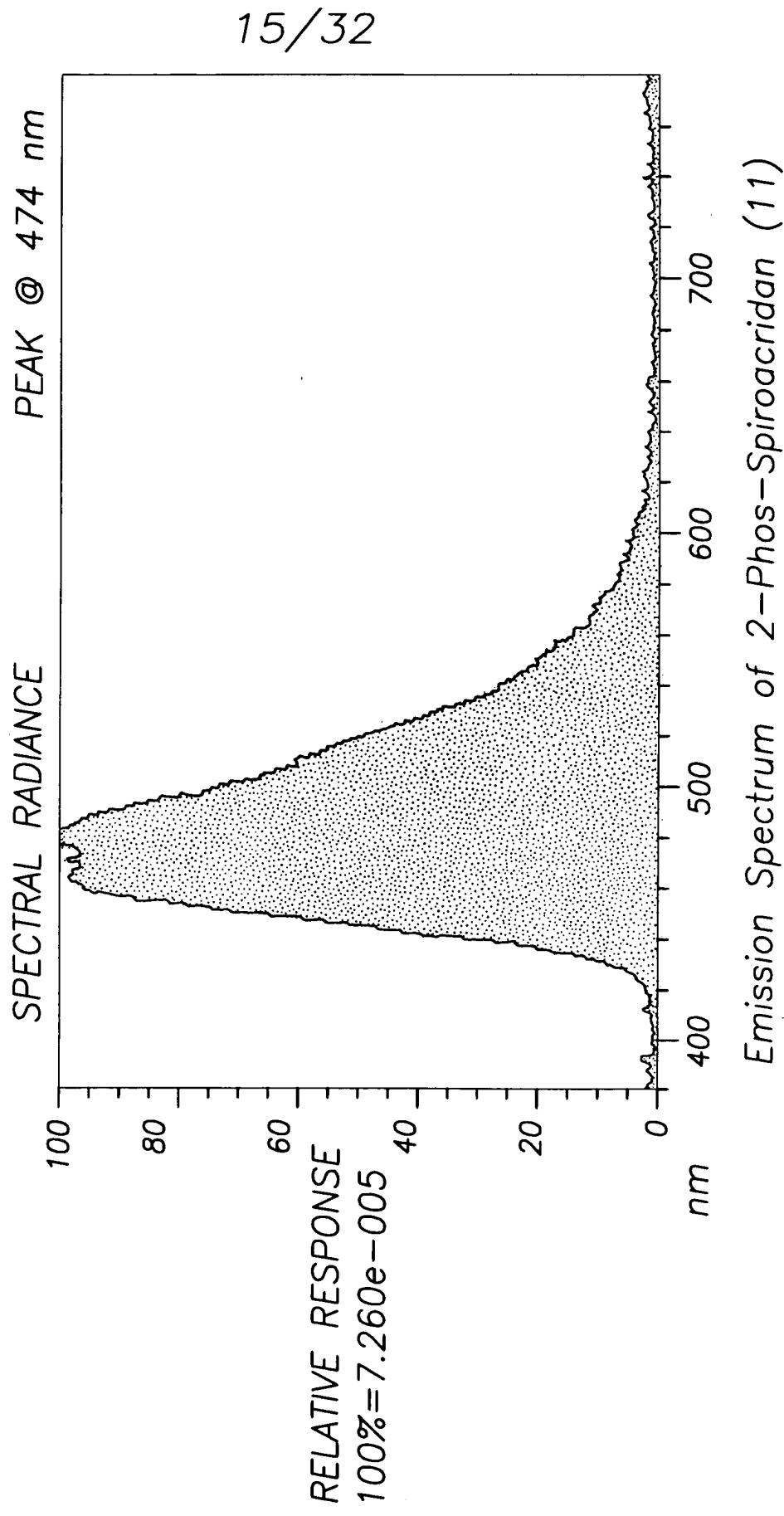
00220 " 99592960

FIG.2J



002200099592960

FIG.2K

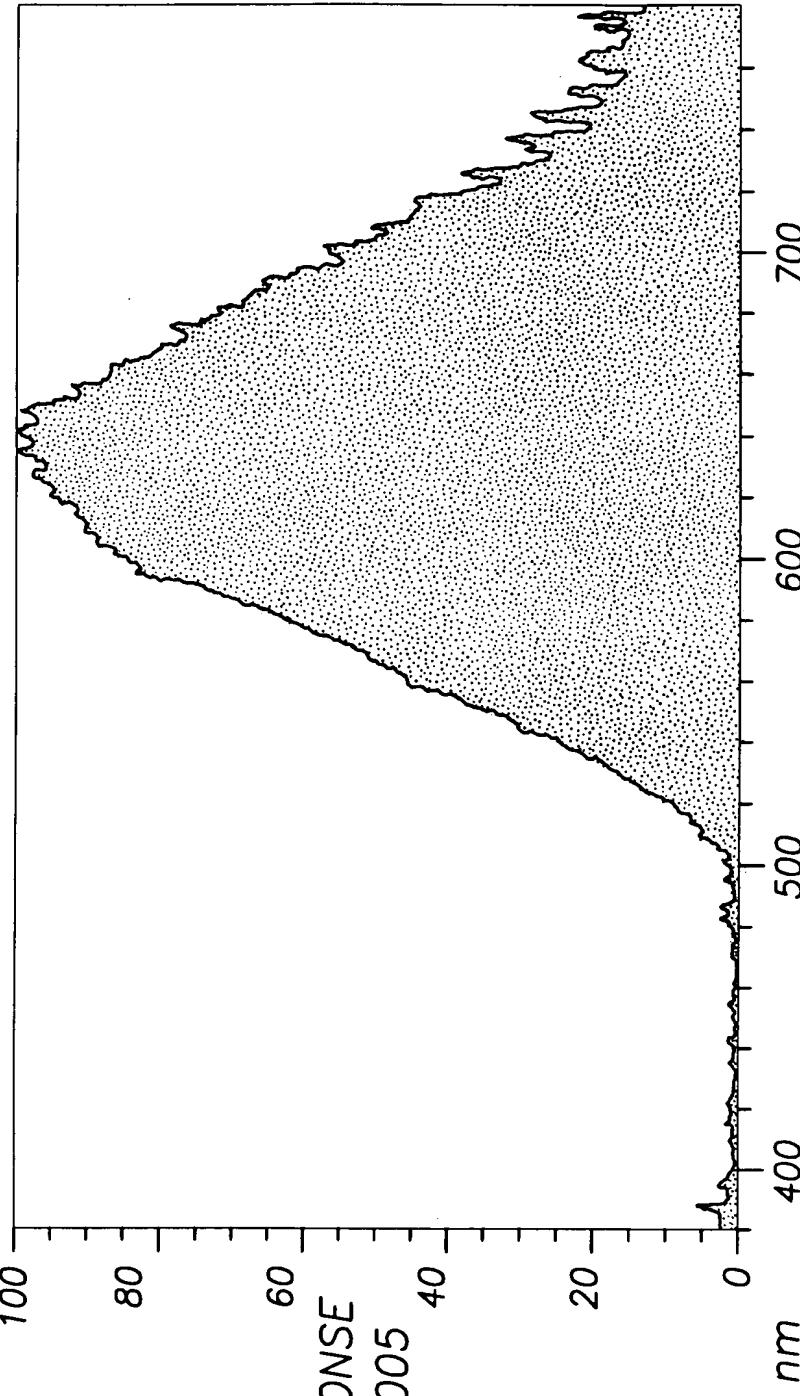


00220 " 99592960

FIG.2L

SPECTRAL RADIANCE
PEAK @ 638 nm

RELATIVE RESPONSE
 $100\% = 4.106e-005$



Emission Spectrum of 2-OH-Spiroacridan (12)

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0022099592960

FIG. 2M

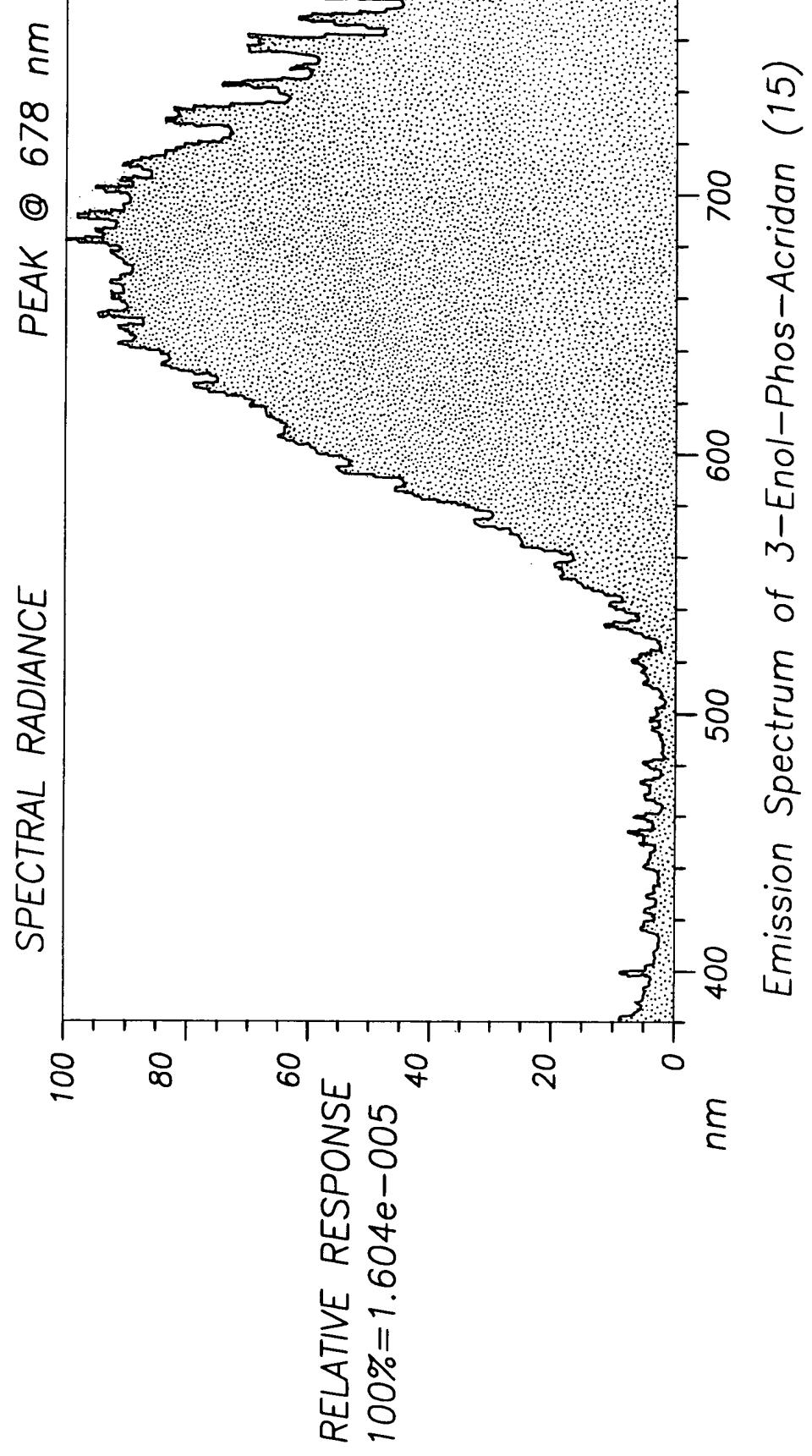


FIG.2N

SPECTRAL RADIANCE
PEAK @ 450 nm

RELATIVE RESPONSE
 $100\% = 1.133e-005$

100

80

60

40

20

0

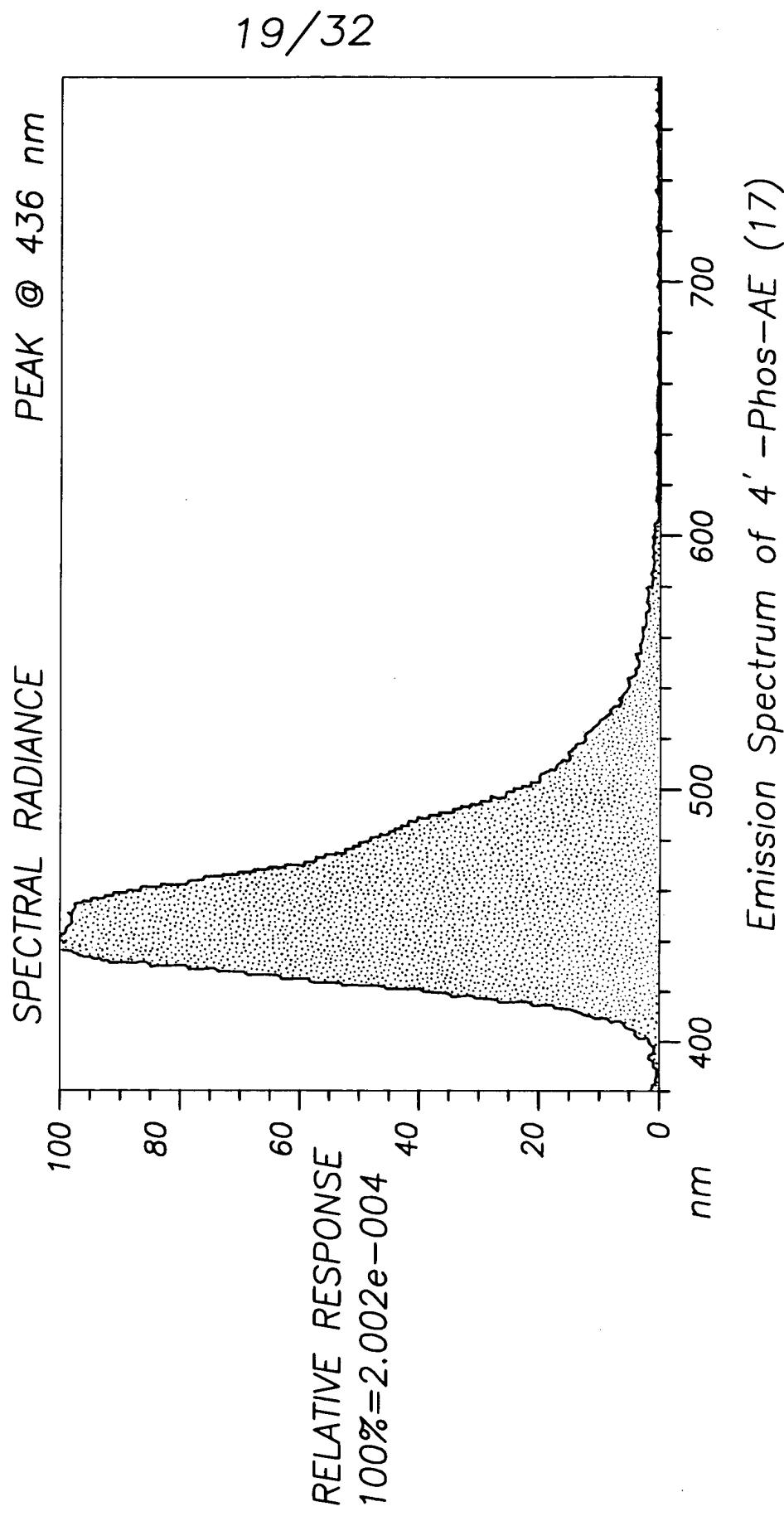
nm
700
600
500
400

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Emission Spectrum of 3-(4'-Hydroxybenzyl)carbonyl-Acridan (16)

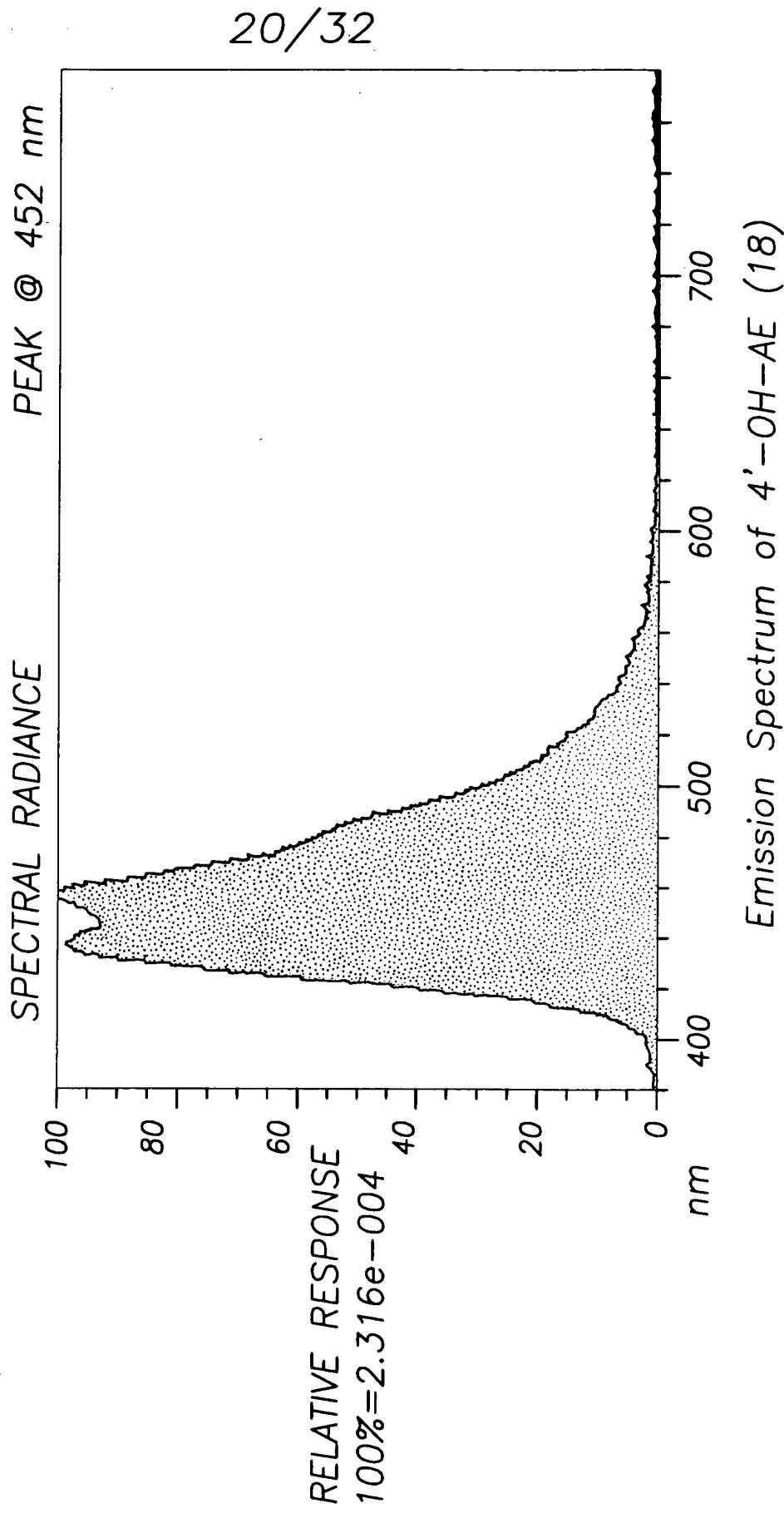
00 22 00 " 99 92 96 0

FIG.20



00 22 00 95 96 0

FIG. 2P



002200-995960

FIG. 3

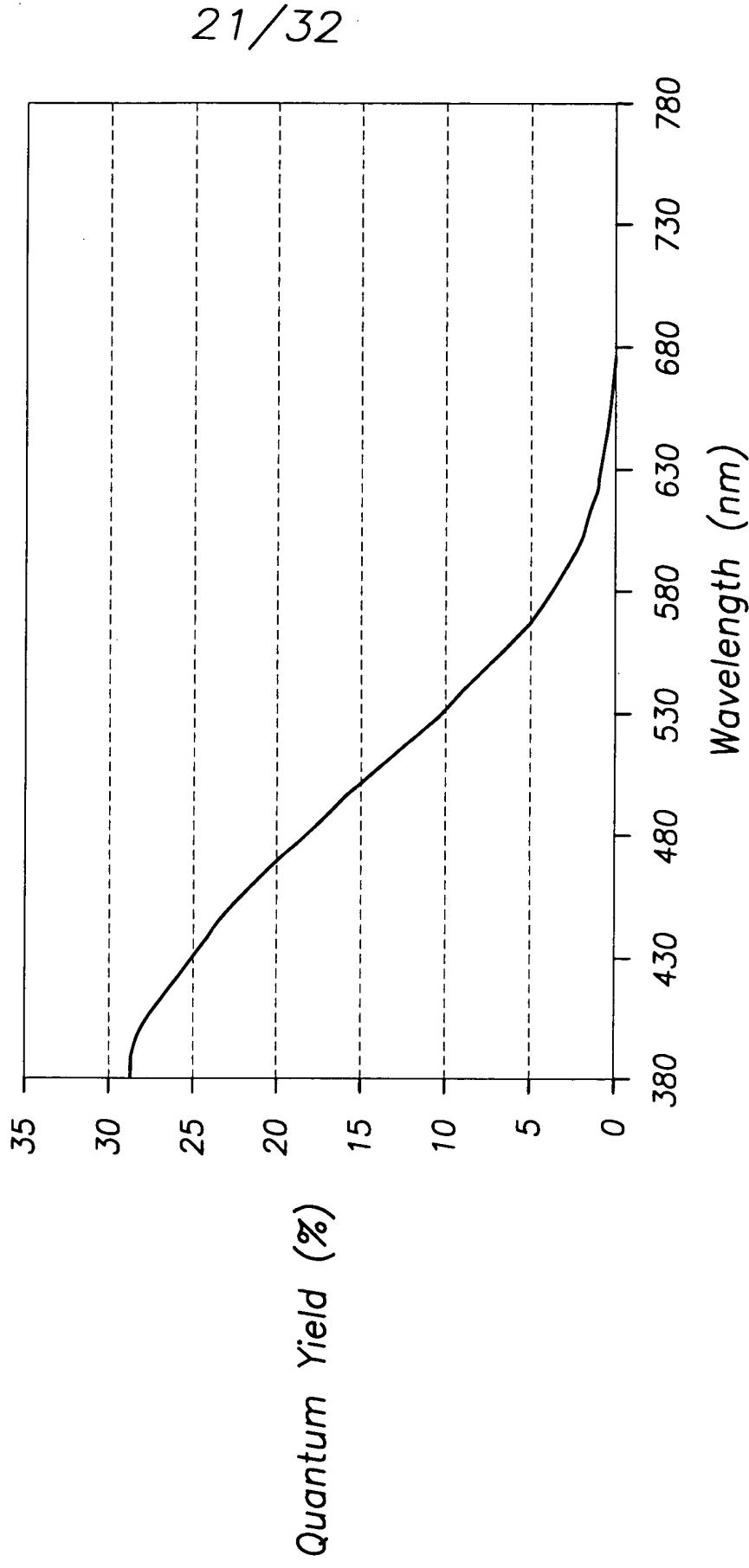


FIG. 4

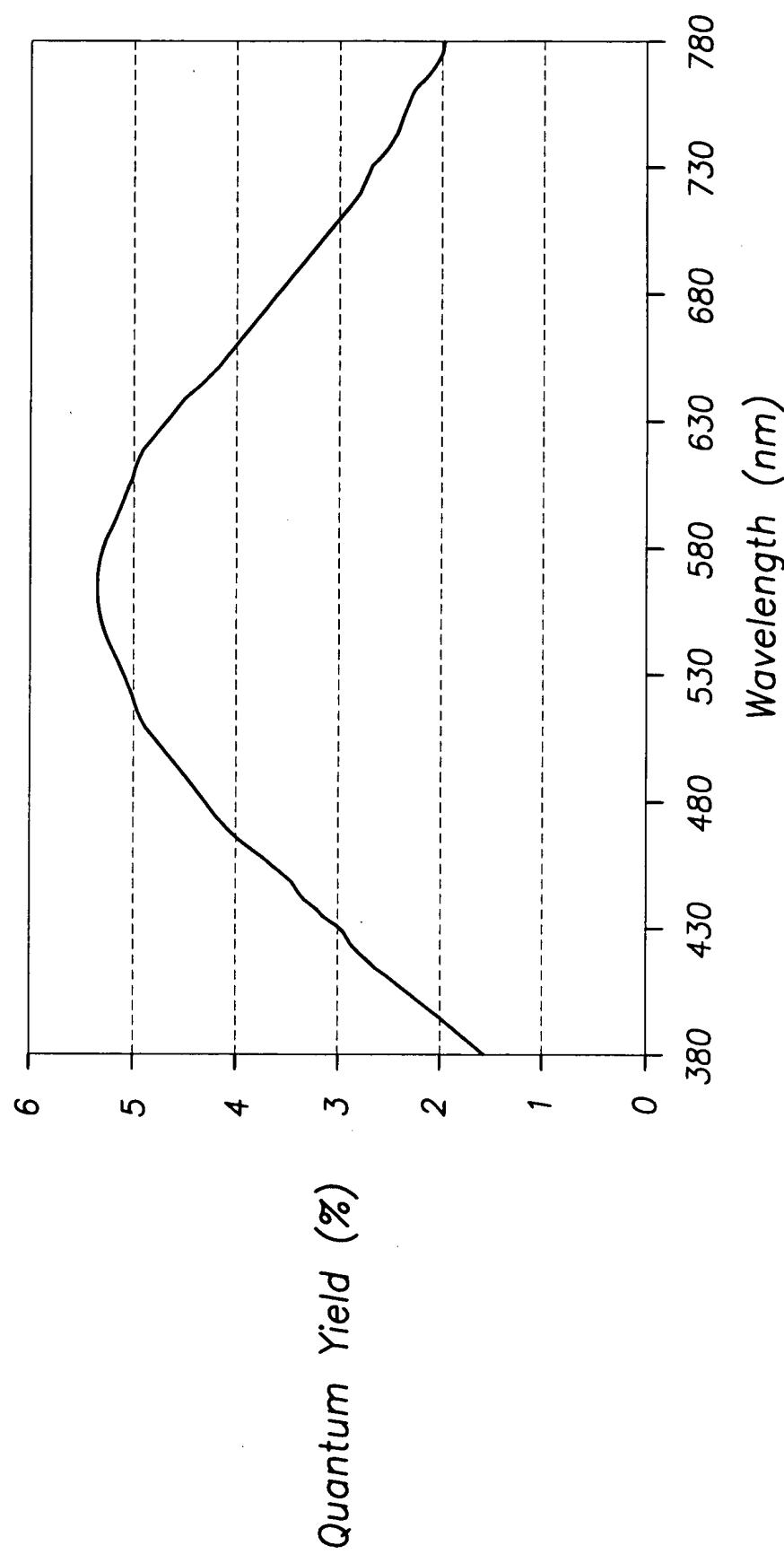
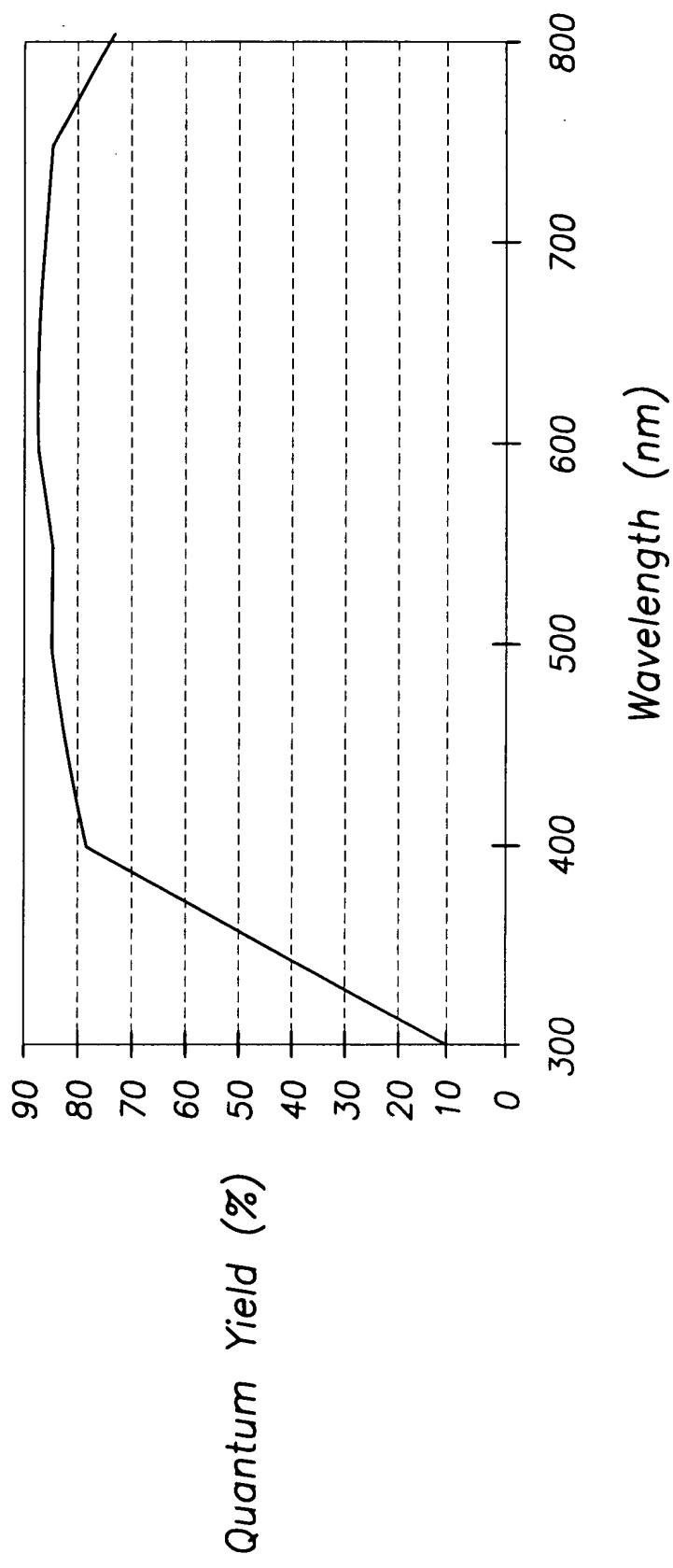


FIG. 5

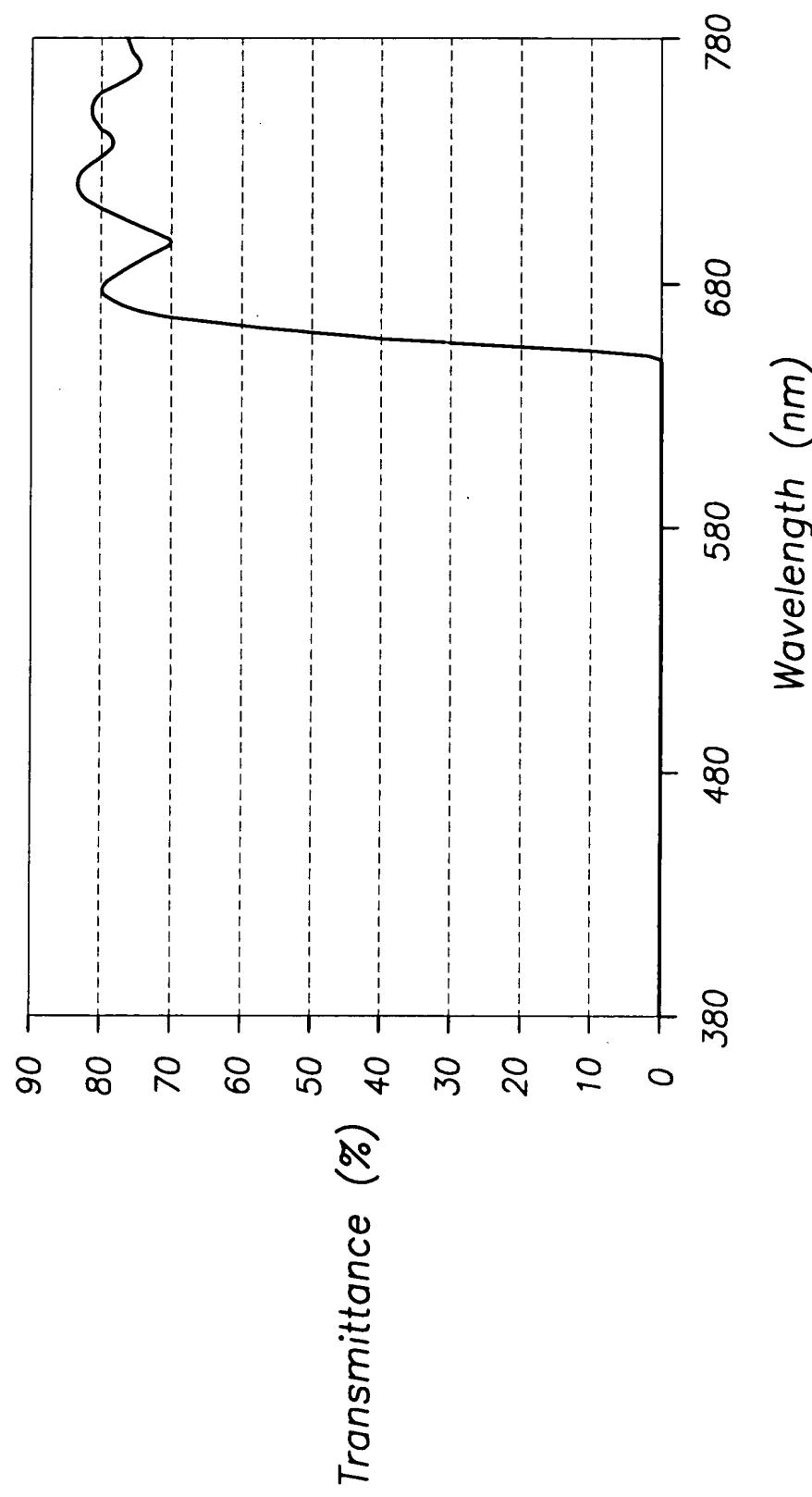
Sensitivity of thinned CCD



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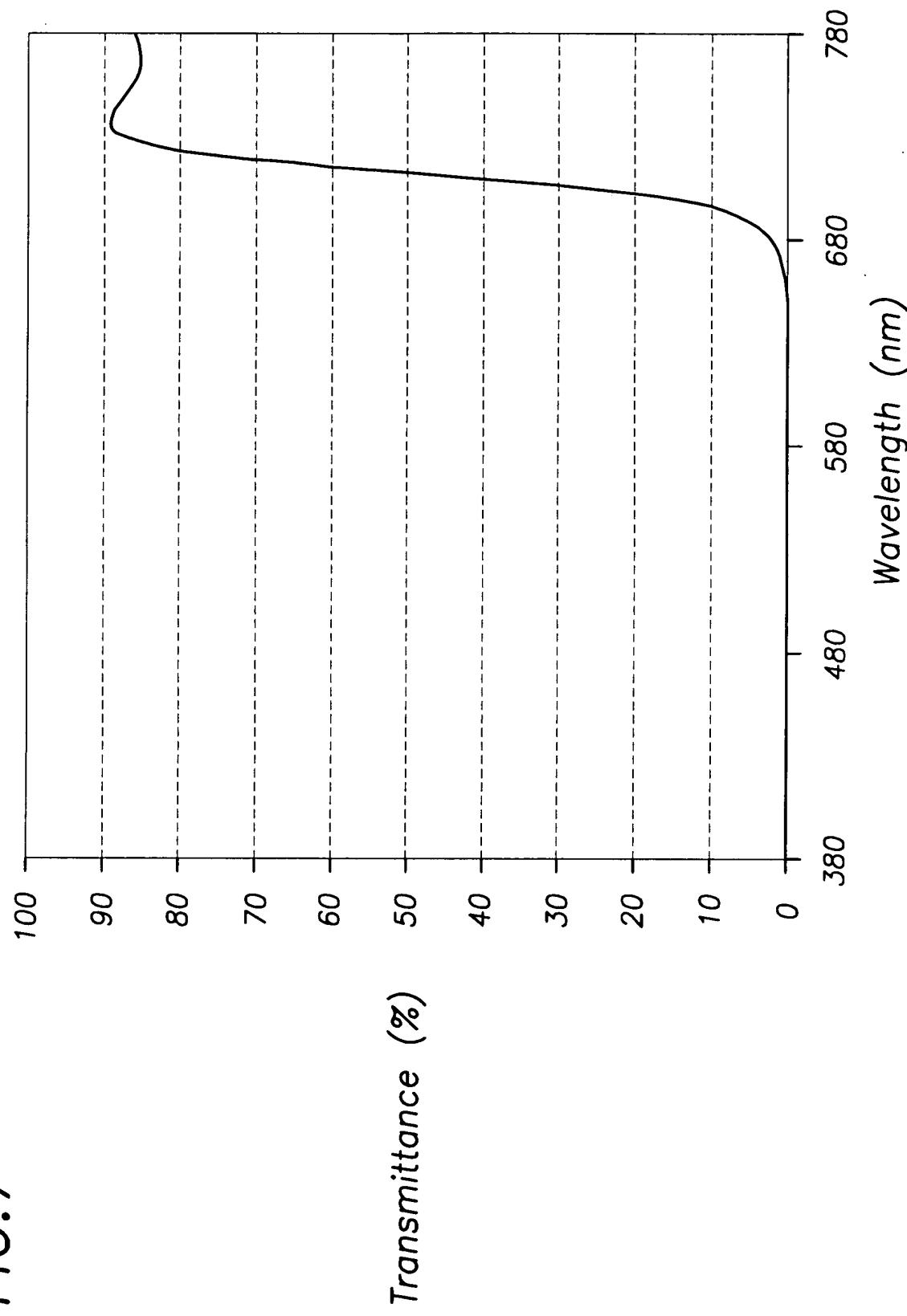
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FIG. 6



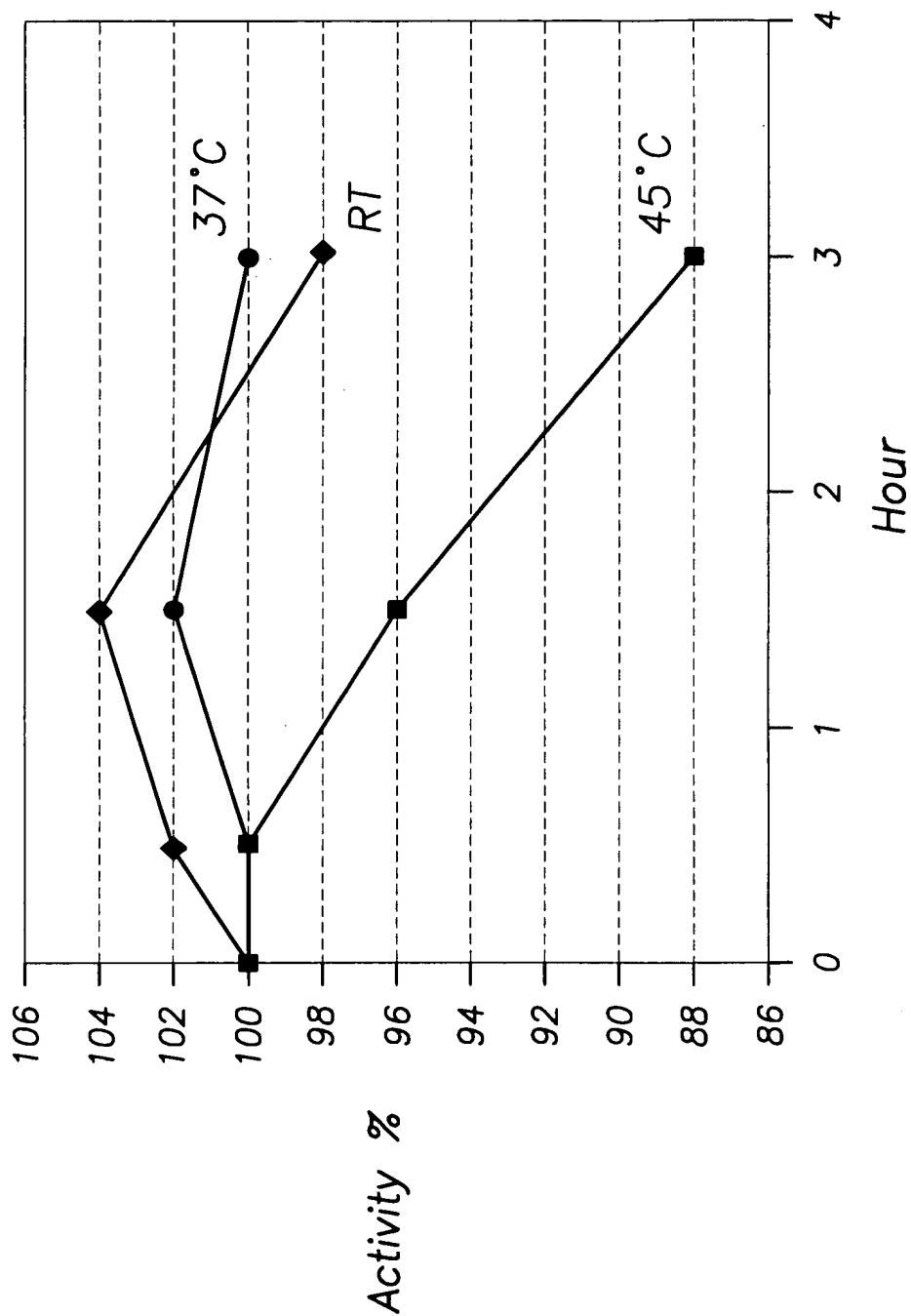
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FIG.7



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FIG. 8



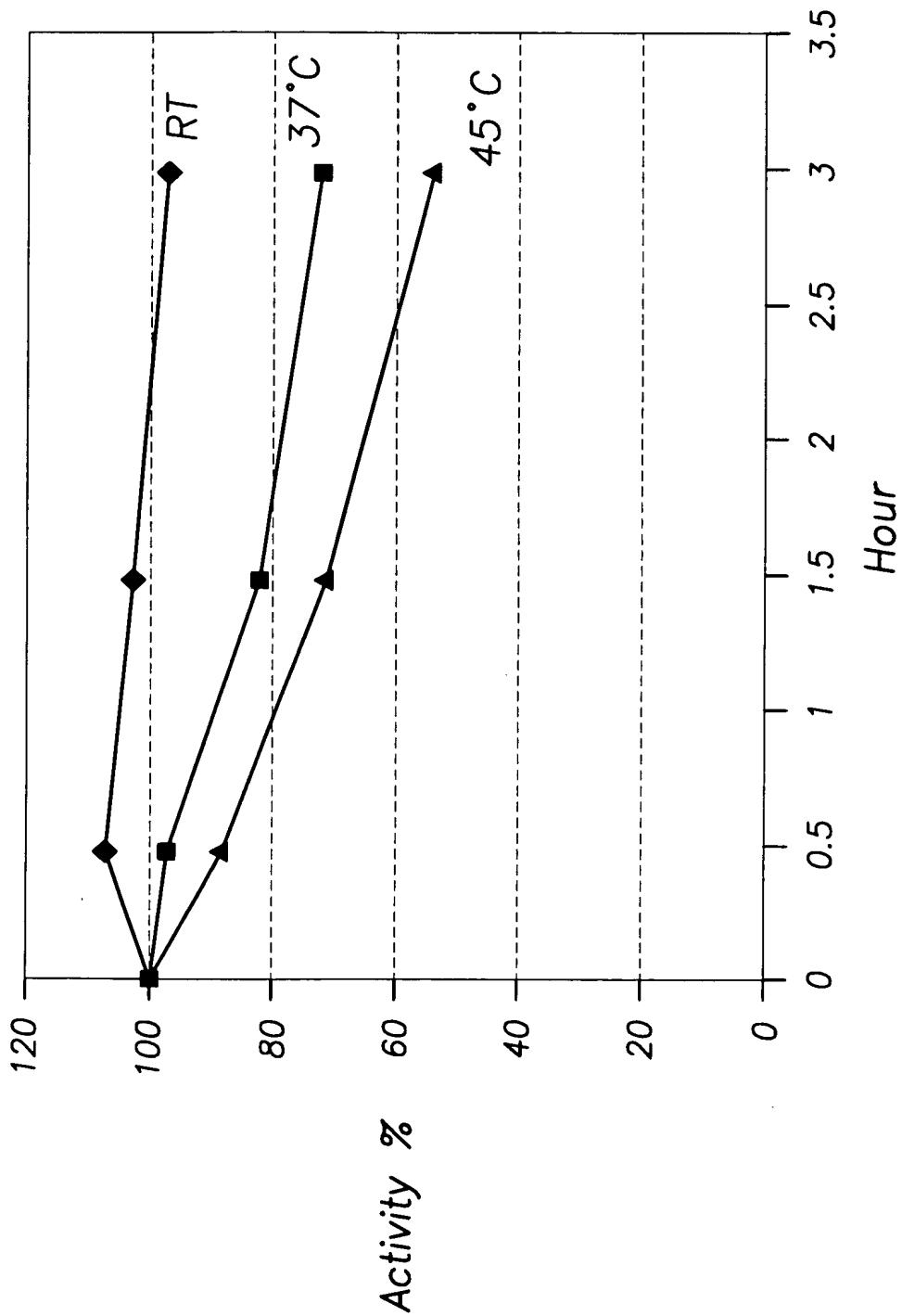


FIG. 9

FIG. 10

AP Detectability (45 °C, 0.5 hr, R268/2xLL650)

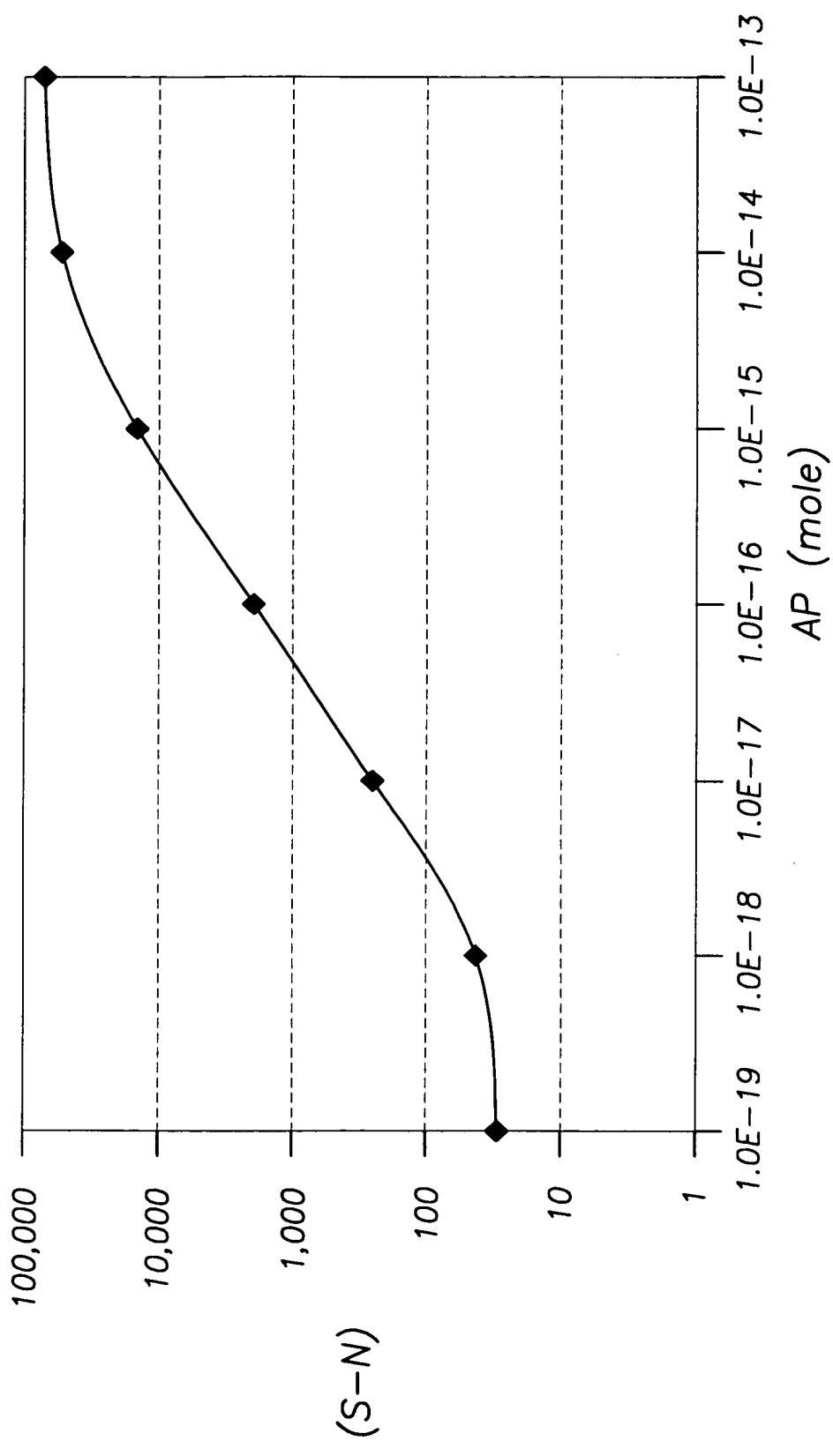


FIG. 11

AP Detectability (45 oC, 0.5 hr, R2228P/2xLL650)

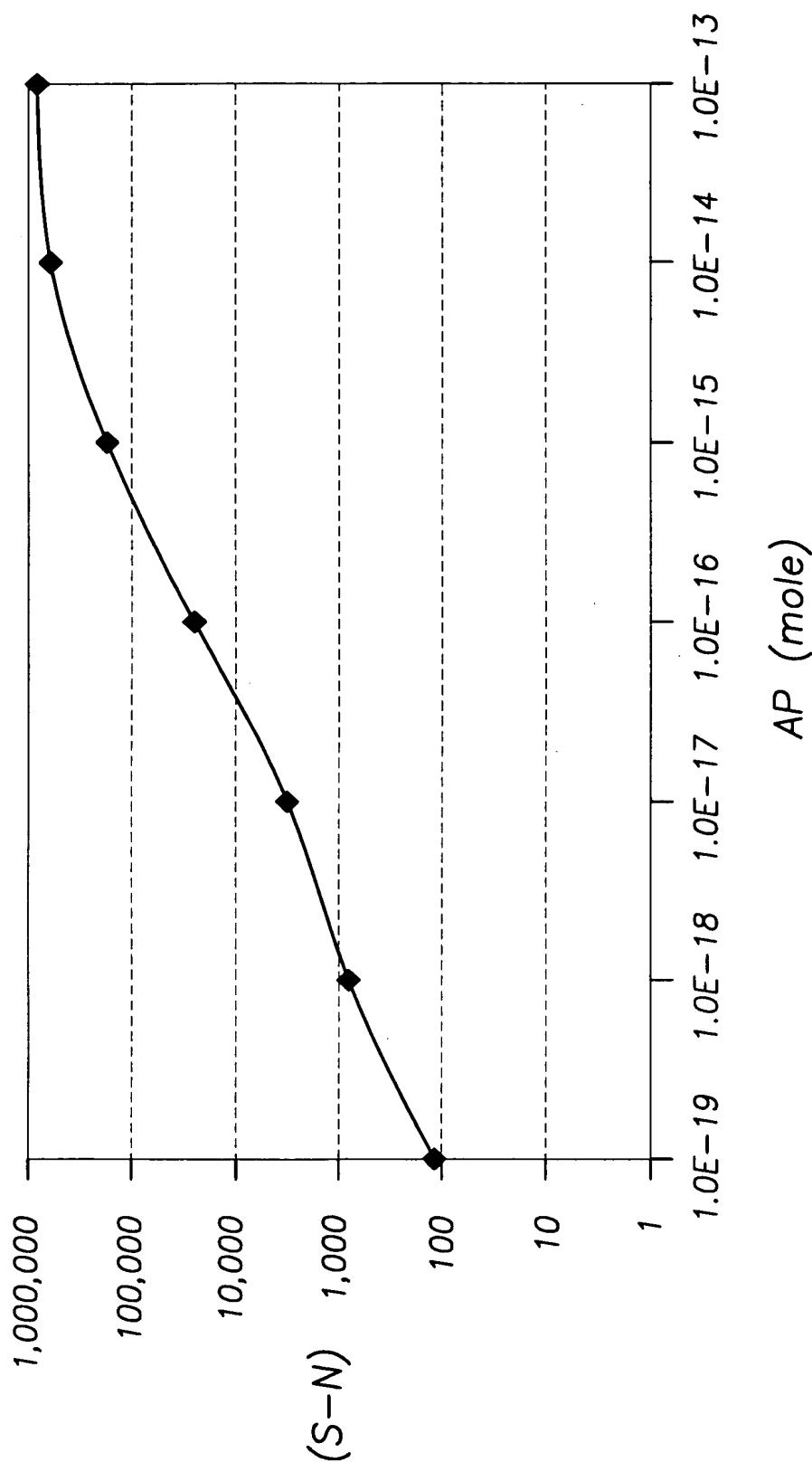
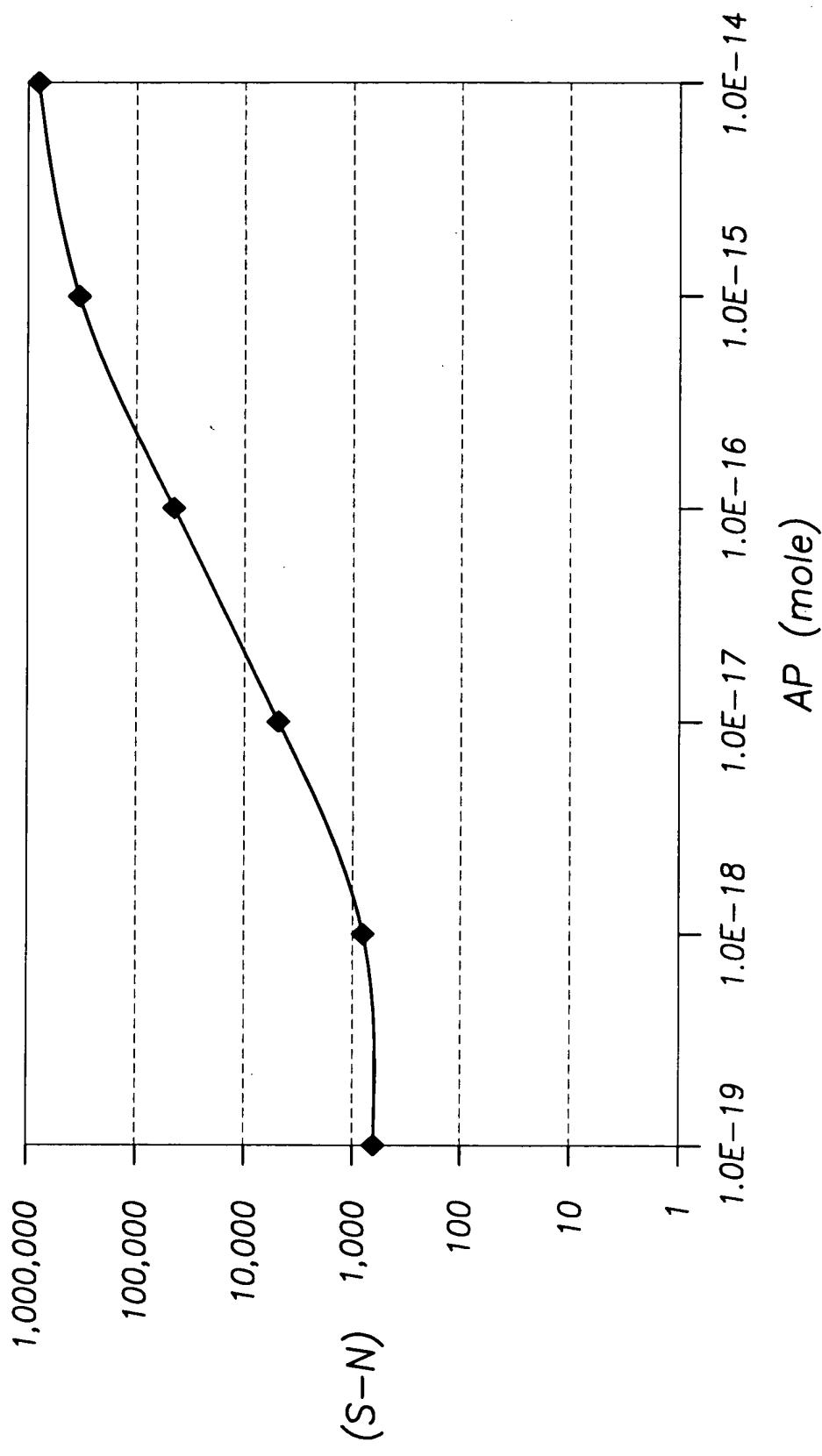


FIG. 12

AP Detectability (45 oC, 1 hr, R2228P, LL700)



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FIG. 13

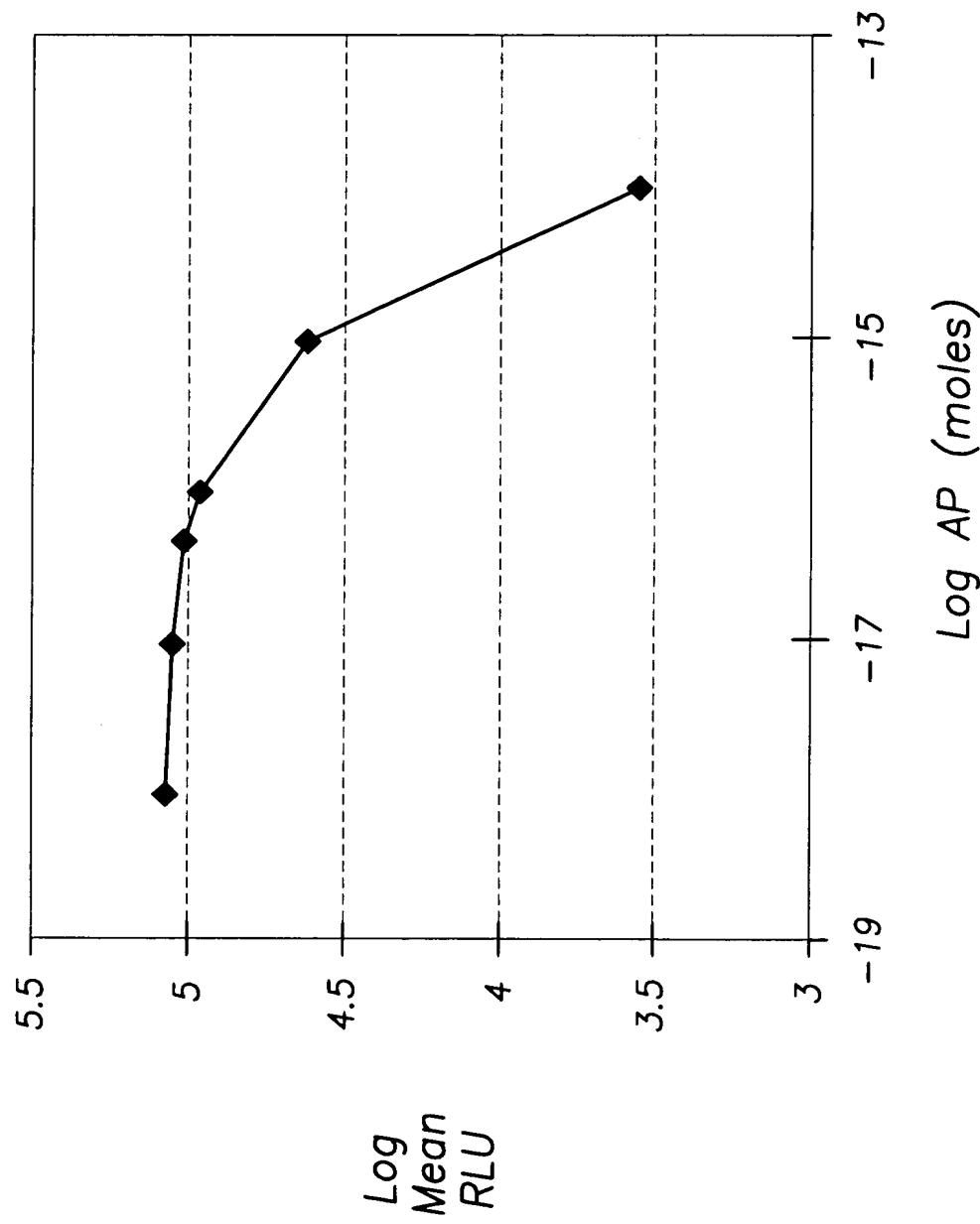


FIG. 14

